Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A homogeneous, boron-doped alkaline earth peroxide having a boron content of 0.5 to 5 wt.% and a peroxide content of about 75 wt.% or more, calculated based on the active oxygen content, wherein the alkaline earth peroxide is a mixed calcium/magnesium peroxide comprising calcium peroxide and magnesium peroxide that are homogeneously dispersed in each other on a molecular level, and the boron is homogeneously distributed within the mixed calcium/magnesium peroxide.

2-3. (Cancelled)

[[3]] 4. (Currently Amended) A process for producing a homogeneous, boron-doped alkaline earth peroxide according to claim 1, said process comprising:

reacting an aqueous solution or suspension containing alkaline earth hydroxide and hydrogen peroxide, with

- sodium metaborate solution and aqueous hydrogen peroxide solution, or
- sodium metaborate solution, or
- boric acid, and

evaporating water to obtain a solid and drying the solid to obtain the homogeneous, boron-doped alkaline earth peroxide product.

[[4]] 5. (Currently Amended) A process for producing a homogeneous, boron-doped alkaline earth peroxide according to claim 1, said process comprising:

reacting an aqueous solution or suspension of calcium hydroxide and sodium metaborate solution with an aqueous hydrogen peroxide solution, and

evaporating water to obtain a solid and drying the solid to obtain the homogeneous, boron-doped alkaline earth peroxide product.

[[5]] 6. (Currently Amended) A process for producing a homogeneous, boron-doped alkaline earth peroxide according to claim 1, said process comprising:

reacting a calcium peroxide suspension with sodium metaborate solution and optionally with an aqueous hydrogen peroxide solution or with boric acid, and

drying the resulting reaction mixture to obtain a homogeneous, boron-doped calcium peroxide as a solid product.

[[6]] 7. (Currently Amended) A process for producing a homogeneous, boron-doped alkaline earth peroxide according to claim 1, said process comprising:

reacting an aqueous solution or suspension of a homogeneous, alkaline earth mixed peroxide with

- sodium metaborate solution and aqueous hydrogen peroxide solution, or
- sodium metaborate solution, or
- boric acid, and

evaporating water to obtain a solid and drying the solid to obtain the homogeneous, boron-doped alkaline earth peroxide product.

[[7]] 8. (Currently Amended) A method of treating agricultural seed, said method comprising applying to said seed a treatment composition

comprising a homogeneous, boron-doped alkaline earth peroxide, wherein the alkaline earth peroxide is a mixed calcium/magnesium peroxide comprising calcium peroxide and magnesium peroxide that are homogeneously dispersed in each other on a molecular level, and the boron is homogeneously distributed within the mixed calcium/magnesium peroxide.

[[8]] 9. (Currently Amended) A method according to claim **[[7]]** 8, wherein said treatment composition comprises an oxygenating agent.

[[9]] 10. (Currently Amended) A method according to claim **[[7]]** 8, wherein said treatment composition is a seed pilling composition.

[[10]] 11. (Currently Amended) A method according to clam **[[7]]** 8, wherein said seed is sugar beet seed.